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### Abstract

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## 1,3,4-trisubstituted pyrrolidinones as scaffolds for construction of peptidomimetic cholecystokinin antagonists

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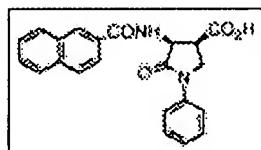
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### Abstract

A new series of cholecystokinin (CCK) antagonists are described which utilizes a new 1,3,4-trisubstituted pyrrolidinone as a scaffold for appending specific amino acid R group mimics (Figure 1). Compound 1A and 1E (SC-50998) exhibit potent nanomolar IC<sub>50</sub> values in a CCK-A receptor binding assay. Compound 1E behaves as a competitive antagonist *in vitro* and is orally active.

### Graphical Abstract

A new series of cholecystokinin-A receptor (CCK-A) antagonists are described which utilizes a 1,3,4-trisubstituted pyrrolidinone as a scaffold for appending specific amino acid R group mimics.



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